What is claimed:

1. A polymer for the reduction of aluminosilicate containing scale according to the formula:

$$--((CH_2)_2--N)_x--((CH_2)_2--N)_y--$$
$$\qquad\qquad\quad | \qquad\qquad\qquad |$$
$$\qquad\quad (CH_2)_3-Si(OCH_3)_3$$
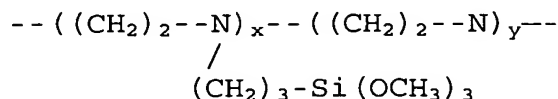
where $x = 0.5-20\%$, $y = 99.5-80\%$.

2. A polymer for the reduction of aluminosilicate containing scale according to formula:

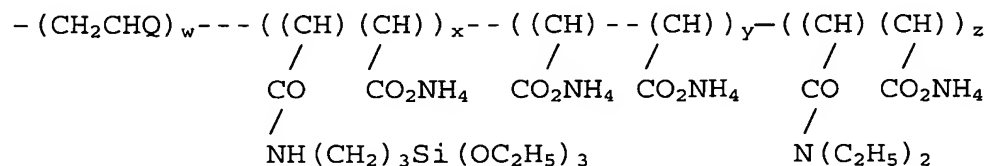$$-(CH_2CHQ)_w-((CH)-(CH))_x----------((CH)-(CH))_y--((CH)---(CH))_z$$
$$\qquad\qquad\quad | \qquad | \qquad\qquad\qquad\qquad\qquad | \qquad | \qquad\qquad | \qquad\quad |$$
$$\qquad\qquad COOR \quad COX-R'-Si(OR'')_3 \quad COOR \quad COD \quad CO_2R'' \quad CO_2R''$$
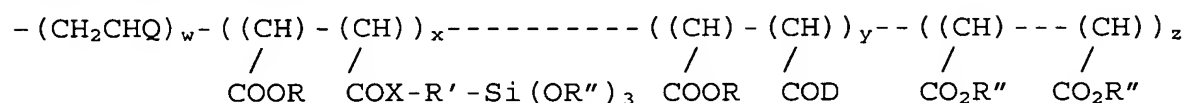
where

$w = 1-99.9\%$, $x = 0.1-50\%$, $y = 0-50\%$, $z = 0-50\%$; and

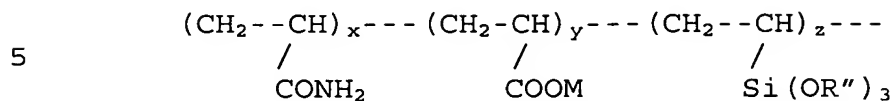$\qquad\qquad Q = C1-C10$ alkyl, aryl, amide, acrylate, ether, COXR where $X=O$ or NH and $R=H$, $C1-C10$ alkyl or aryl, or any other substituent;

$R = H$, Na, K, NH_4;

$X = NH$, NR'' or O;

$R' = C1-C10$ alkyl, or aryl;

$R'' = H$, $C1-C3$ alkyl, aryl, Na, K or NH_4; and

$D= NR''_2$ or OR'', with the proviso that all R and R'' groups do not have to be the same.

3. The polymer for the reduction of aluminosilicate containing scale according to the formula:

$$-(CH_2CHQ)_w---((CH)(CH))_x--((CH)--(CH))_y-((CH)(CH))_z$$
$$\qquad\qquad\qquad | \qquad | \qquad\qquad\quad | \qquad | \qquad\qquad\quad | \qquad |$$
$$\qquad\qquad\qquad CO \quad CO_2NH_4 \quad CO_2NH_4 \; CO_2NH_4 \quad CO \quad CO_2NH_4$$
$$\qquad\qquad\quad | \qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad |$$
$$\qquad\quad NH(CH_2)_3Si(OC_2H_5)_3 \qquad\qquad\qquad N(C_2H_5)_2$$

where $w =1-99.9\%$, $x=0.1-50\%$, $y=0-50\%$, $z=0-50\%$; and Q is phenyl.

4.   A polymer for the reduction of aluminosilicate containing scale according to the formula:

$$(CH_2\text{--}CH)_x\text{---}(CH_2\text{-}CH)_y\text{---}(CH_2\text{--}CH)_z\text{---}$$
$$/ \qquad\qquad / \qquad\qquad /$$
$$CONH_2 \qquad COOM \qquad Si(OR'')_3$$

where:
   $x= 1\text{-}99\%$, $y=1\text{-}99\%$, $z=0.5\text{-}20\%$ and
   $M = Na$, K, NH_4; and
   $R'' = H$, C1-C3 alkyl, aryl, Na, K or NH_4.

5.   The polymer for use in the reduction of aluminosilicate containing scale according to the formula:

$$(CH_2\text{--}CH)_x\text{---}(CH_2\text{-}CH)_y\text{---}(CH_2\text{--}CH)_z\text{---}$$
$$/ \qquad\qquad / \qquad\qquad /$$
$$CONH_2 \qquad COONa \qquad Si(OH)_3$$
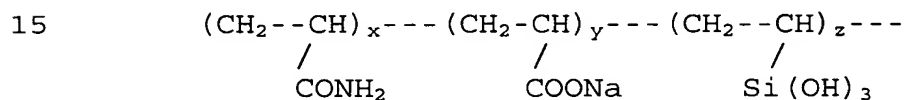
where:
   $x= 1\text{-}99\%$, $y=1\text{-}99\%$, $z=0.5\text{-}20\%$.

6.   A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of formula a or formula b:

$$-(polymer)\text{--graft--}((CH)\quad\text{---}(CH))_x \qquad\qquad \text{Formula VIIa}$$
$$/ \qquad\quad /$$
$$COOH \qquad COX\text{-}R'\text{-}Si(OR'')_3$$

$$((CH)\quad\text{---}\quad(CH))_x\text{--graft--}(polymer)\text{-} \qquad\qquad \text{Formula VIIb}$$
$$/ \qquad\quad /$$
$$COOH \qquad COX\text{-}R'\text{-}Si(OR'')_3$$
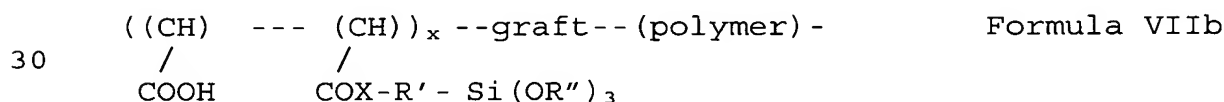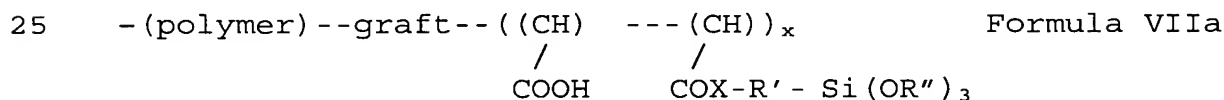
where $x = 0.1 - 99\%$ (as percentage of monomer units in the polymer) and
            $X = NH$, NR' or O;
            $R' = $ C1-C10 alkyl, or aryl and
            $R'' = H$, C1-C3 alkyl, aryl, Na, K or NH_4.

7.   The polymer for use in the reduction of aluminosilicate
containing scale according to claim 6 according to the
formula:

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(polymer)---CH ---CH$_2$ (polymer)---CH----CH$_2$
              /   /   /   /
             CO   CO$_2$NH$_4$ CO$_2$NH$_4$ CO
             /   /
          NH(CH$_2$)$_3$Si(OC$_2$H$_5$)$_3$ NH(CH$_2$)$_3$Si(OC$_2$H$_5$)$_3$